

SEQUENCE LISTING

<110> REISNER, Yair et al.

<120> HUMAN MONOCLONAL ANTIBODIES TO THE HEPATITIS B SURFACE ANTIGEN

<130> REISNER=5

<140> 09/202,181

<141> 1998-12-10

<150> 118625

<151> 1996-06-11

<150> IL97/00184

<151> 1997-06-10

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

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<221> CDS

<222> (1)..(327)

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Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
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acg gcc agg att tcc tgt ggg gga aac aac att gga act aaa aat gtg 96
Thr Ala Arg Ile Ser Cys Gly Gly Asn Asn Ile Gly Thr Lys Asn Val
20 25 30

cac tgg tac cag cag aag cca ggc cag gcc cct gtg ctg gtc gtc tat 144
His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
35 40 45

gct gat agc gac cgg ccc tca ggg atc cct gag cga ttc tct ggc tcc 192
Ala Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

aac tct ggg aac acg gcc acc ctg acc atc agc agg gtc gaa gtc ggg 240
 Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Val Gly
 65 70 75 80

gat gag gcc gac tat tac tgt cag gtg tgg gat agt gtt agt tat cat 288
 Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Val Ser Tyr His
 85 90 95

gtg gta ttt ggc gga ggg acc acg ctg acc gtc cta ggt 327
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 100 105

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Thr Ala Arg Ile Ser Cys Gly Gly Asn Asn Ile Gly Thr Lys Asn Val
 20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
 35 40 45

Ala Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
 50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Val Gly
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Val Ser Tyr His
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Val Val Phe Gly Gly Gly Thr Thr Leu Thr Val Leu Gly
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<222> (1)..(363)

<400> 3

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Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Gly	
1				5					10					15		
tcc	ctg	aga	ctc	tcc	tgt	gca	ccg	tct	gga	ttc	gtc	ttc	agg	agt	tat	96
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Pro	Ser	Gly	Phe	Val	Phe	Arg	Ser	Tyr	
			20					25					30			
ggc	atg	cac	tgg	gtc	cgc	cag	act	cca	ggc	aag	ggg	ctt	gag	tgg	gtg	144
Gly	Met	His	Trp	Val	Arg	Gln	Thr	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	
		35				40						45				
tca	ctt	ata	tgg	cat	gat	gga	agt	aat	aga	ttc	tat	gca	gac	tcc	gtg	192
Ser	Leu	Ile	Trp	His	Asp	Gly	Ser	Asn	Arg	Phe	Tyr	Ala	Asp	Ser	Val	
	50					55					60					
aag	ggc	cga	ttc	acc	atc	tcc	aga	gac	aat	tcc	aag	aac	aca	ttg	tat	240
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr	
65					70					75				80		
ttg	caa	atg	aac	agc	ctg	aga	gcc	gaa	gac	acg	gct	atg	tac	ttc	tgt	288
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Met	Tyr	Phe	Cys	
			85						90				95			
gcg	aga	gag	agg	ctg	att	gca	gca	cct	gct	gcc	ttt	gac	ctc	tgg	ggc	336
Ala	Arg	Glu	Arg	Leu	Ile	Ala	Ala	Pro	Ala	Ala	Phe	Asp	Leu	Trp	Gly	
			100					105					110			
cag	gga	acc	ctg	gtc	acc	gtc	tcc	tcg								363
Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
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<212> PRT

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<400> 4

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Ser	Leu	Arg	Leu	Ser	Cys	Ala	Pro	Ser	Gly	Phe	Val	Phe	Arg	Ser	Tyr
			20					25					30		

Gly Met His Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Leu Ile Trp His Asp Gly Ser Asn Arg Phe Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Met Tyr Phe Cys
85 90 95

Ala Arg Glu Arg Leu Ile Ala Ala Pro Ala Ala Phe Asp Leu Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

B6
cont